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AA	6,121,094		Gardner et al.		438	287	
AB			Ota		438	305	
			Ahn et al.		438	297	
			Chau et al.		438	240	
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	s and Pub sheets if r	S and Publications Stasheets if necessary) E DESIGNATION Document AA 6,121,094 AB 6,436,777 AC 6,514,828 AD 6,617,209 AE 6,617,210 AF US2002/01 AG US2003/00 AH AI AJ AK AL AM AN AO AP Document No. OTHER AR AV Polishchuk et a www.eesc.berk	s and Publications Statement sheets if necessary) Document No. AA 6,121,094 AB 6,436,777 AC 6,514,828 AD 6,617,209 AE 6,617,210 AF US2002/0197790 AG US2003/0045080 AH AI AJ AJ AK AL AM AN AN AO AP Polishchuk et al., "Dual www.eesc.berkeley.edu	S and Publications Statement sheets if necessary) Document No. AA 6,121,094 Gardner et al. AB 6,436,777 Ota AC 6,514,828 Ahn et al. AD 6,617,209 Chau et al. AF US2002/0197790 Kizilyalli et al. AG US2003/0045080 Visokay et al. AH AI AJ AK AL AM AN AN AO AP Polishchuk et al., "Dual Workfunction CMO www.eesc.berkeley.edu. 1 page. AW AW	S and Publications Statement sheets if necessary) E DESIGNATION Document No. AA 6,121,094 AB 6,436,777 AC 6,514,828 Ahn et al. AB 6,617,209 Chau et al. AF US2002/0197790 Kizilyalli et al. AG US2003/0045080 Visokay et al. AH AJ AJ AJ AK AL AN AN AN AN AO AP FOREIGN PATENT DOCUMENTS FOREIGN PATENT DOCUMENTS OTHER ART (Including Author, Title, Date, Pertiner www.eesc.berkeley.edu. 1 page.	Applicant: Robert Sheets if necessary MOV 1 0 2000 Filing Date: July 11	Applications Statement Applicant: Robert Chau et al.

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Initial*	No. ¹	(If	ind Code ² f known)	of Cite	ed Document		Document DD-YYYY	Where Relevant Passages or Relevant Figures Appear
		6,184,072	B1		ıshik et al.			
~		6,420,279	B1		no et al.			
<u>/</u>		6,544,906	B2		ndaro et al.			
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FOREIGN PATENT DOCUMENTS									
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		. 1		Cite Foreign Patent Document No.¹ Office³ Number⁴ Kind Code⁵	Cite Foreign Patent Document No.¹ Office³ Number⁴ Kind Code⁵ Name of Patentee or Applicant of Cited Document	Cite Foreign Patent Document Name of Patentee or Applicant of Cited Document No. Office Number Kind Code Of Cited Document MM-DD-YYYY	Cite Foreign Patent Document Name of Patentee or Applicant of Cited Document Date of Publication of Cited Document MM-DD-YYYY Passages or Relevant		

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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WiPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵Applicant is to place a check mark here if English language Translation is attached.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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FORMATION DISCLOSURE		Not yet assigned 10/618, 226
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TATEMENT BY APPLICANT	First Named Inventor:	Robert Chau et al.
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	Examiner Name	Not yet assigned TACK CHEN
of	Attorney Docket Number	042390P12759C

				U.S. PATENT DOCUMENTS		
Exam. Cite No.1		U.S. Patent	Document	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant
		Number Code ²	Kind (If known)	or once becamen	MM-DD-YYYY	Passages or Relevant Figures Appear
~		6,475,874	B2	Xiang et al.	11/5/2002	
~		6,063,698		Tseng et al.	5/16/2000	
\sim	*	5,753,560		Hong et al.	5/19/1998	
<i></i> _		6,087,261		Nishikawa et al.	7/11/2000	
~		6,391,802	B1	Delpech et al.	5/21/2002	
<i>~~</i>		5,783,478		Chau et al.	7/21/1998	
~	-	5,625,217		Chau et al.	4/29/1997	
~		6,306,742	B1	Doyle et al.	10/23/2001	
\sim	· · · · · · · · · · · · · · · · · · ·	5,891,798		Doyle et al.	4/6/1999	
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¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the twoletter code (WIPO Standard S.3). ⁴For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Substitute for Form 1449A/PTO (Modified) Complete if Known INFORMATION DISCLOSURE **Application Number** Not yet assigned 19/618,226 Filing Date Herewith 7/11/03 STATEMENT BY APPLICANT First Named Inventor: Robert Chau et al. (use as many sheets as necessary) Group Art Unit Not yet assigned 2513 Examiner Name Not yet assigned SACK CHEN **Sheet** 2 of 2 Attorney Docket Number 042390P12759C OTHER ART - NO PATENT LITERATURE DOCUMENTS Examiner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the T² Initials* No¹ item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published Douglas Barlage et al., "High-Frequency Response of 100nm Integrated CMOS Transistor with High-K Gate Dieletrics", IEEE 2001 Robert Chau et al., "A 50nm Depleted-Substrate CMOS Transistor (DST), IEEE 2001

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